

Fujitsu recommends Windows 8 Pro.

Data Sheet

Fujitsu ESPRIMO PH300

Desktop PC

Your Immediately Available Multimedia PC

The Fujitsu ESPRIMO PH300 is equipped with the latest Intel® technology including Hyper-Threading functionality. This solid performer provides a timeless design fitting perfectly into your home environment. The Fujitsu ESPRIMO PH300 is available from your dealer at all times and is thus an ideal choice for quick purchase decisions.

Intelligent performance

The ideal PC for the day-to-day challenges of office life

- 3rd generation Intel® Core™ i3, Core™ i5, and Core™ i7 processors

Designed and engineered in Germany

Outstanding quality and stable functions based on German production standards

- The development, production and function tests are all under one roof in Germany

Multimedia experience

Enjoy high-definition multimedia and entertainment

- Optional with powerful ATI Radeon™ HD 5450 with 512 MB VRAM and DirectX® 11 support, quick transfer of photos with the integrated multi card reader



Components

| | |
|---|--|
| Processor | Intel® Core™ i7-3770 processor (4 Cores / 8 Threads, 3.40 GHz, up to 3.9 GHz, 8 MB, Intel® HD Graphics 4000) * |
| | Intel® Core™ i5-3470 processor (4 Cores / 4 Threads, 3.20 GHz, up to 3.6 GHz, 6 MB, Intel® HD Graphics 2500) * |
| | Intel® Core™ i5-3330 processor (4 Cores / 4 Threads, 3.00 GHz, up to 3.2 GHz, 6 MB, Intel® HD Graphics 2500) |
| | Intel® Core™ i3-3220 processor (2 Cores / 4 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 2500) |
| | Intel® Core™ i3-2130 processor (2 Cores / 4 Threads, 3.40 GHz, 3 MB, Intel® HD Graphics 2000) |
| | Intel® Pentium® processor G870 (2 Cores / 2 Threads, 3.10 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Pentium® processor G850 (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Pentium® processor G645 (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Pentium® processor G2120 (2 Cores / 2 Threads, 3.10 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Pentium® processor G2020 (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Celeron® processor G550 (2 Cores / 2 Threads, 2.60 GHz, 2 MB, Intel® HD Graphics) |
| | Intel® Celeron® processor G1610 (2 Cores / 2 Threads, 2.60 GHz, 2 MB, Intel® HD Graphics) |
| | *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables) |
| Operating systems | |
| Operating system | Windows 8 Windows® 7 Home Premium 64-bit Windows® 7 Home Basic (EM) 32-bit |
| Operating system compatible | openSUSE Linux |
| Operating system notes | Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via http://support.ts.fujitsu.com |
| Memory modules | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM |
| | 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM |
| Hard disk drives (internal) | HDD SATA III, 7200 rpm, 2000 GB, 3.5-inch |
| | HDD SATA III, 7200 rpm, 1000 GB, 3.5-inch |
| | HDD SATA III, 7200 rpm, 500 GB, 3.5-inch |
| Hard disk notes | Up to 18 GB of HDD space is reserved for system recovery |
| Graphics | NVIDIA® GeForce® 605 DisplayPort 1GB FH, 1 GB |
| Drives (optional) | DVD Super Multi |
| | MCR 24in1 & USB 3.0 front con., 3.5" |
| | MultiCard Reader 24in1 USB 2.0 3.5" |
| Interface add on cards/components (optional) | |
| | WLAN III, 802.11g/Draft-n (Windows only, dedicated regions only) |
| | USB 3.0 PCIe x1 |
| Base unit | ESPRIMO PH300 |
| Mainboard | |
| Mainboard type | D2990 |
| Formfactor | µATX |
| Chipset | Intel® H61 |
| Processor socket | LGA 1155 |
| Processor quantity maximum | 1 |
| Memory slots | 2 DIMM (DDR3) |
| Supported capacity RAM (max.) | 8 GB |
| Memory frequency | 1333 MHz |

Mainboard

| | |
|----------------|--|
| Memory notes | Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules). |
| LAN | 10/100/1000 MBit/s Realtek RTL 8111E |
| BIOS version | AMI Aptio 4.6 |
| BIOS features | BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) |
| Audio codec | Realtek ALC663 |
| Audio features | 5.1 surround sound |

I/O controller on board

| | |
|----------------------|---------------------------------------|
| Serial ATA total | 4 |
| Controller functions | Serial ATA II (3 Gbit) NCQ AHCI |

Interfaces

| | |
|-----------------------------|-----------|
| Audio: line-in | 1 |
| Audio: line-in / microphone | 1 |
| Audio: line-out | 1 |
| Front audio: microphone | 1 |
| Front audio: headphone | 1 |
| USB 2.0 total | 8 |
| USB front | 2 |
| USB rear | 4 |
| USB internal | 2 |
| VGA | 1 |
| DVI | 1 (DVI-D) |
| Mouse / Keyboard (PS/2) | 2 |
| Ethernet (RJ-45) | 1 |

Input device / components

| | |
|--|-------------------------------------|
| | Optical USB wheel mouse Keyboard |
|--|-------------------------------------|

Drive bays

| | |
|-------------------------|---|
| Drive bays total | 5 |
| 3.5-inch internal bays | 2 |
| 3.5-inch external bays | 1 |
| 5.25-inch external bays | 2 |

Slots

| | |
|---------------------|--------------------------------------|
| PCI-Express 2.0 x16 | 1 x (210 mm / 8.27 inch) Full height |
| PCI-Express x1 | 2 x (190 mm / 7.48 inch) Full height |

Graphics on board

| | |
|----------------------|---|
| Graphics brand name | Intel® HD Graphics, HD Graphics 2000, HD Graphics 2500, HD Graphics 4000 (depending on CPU) |
| Shared video memory | up to 1759 MB |
| TFT resolution (VGA) | 1024 x 768 pixel 1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1600 x 1200 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel |

Graphics on board

| | |
|-----------------------------|---|
| TFT resolution (DVI) | 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel |
| Graphics features | Dual display support DirectX® 10.1 or DirectX® 11 (depending on CPU) HDCP support Open GL® 3.3 (depending on CPU) Open CL™ 1.1 (depending on CPU) |
| Graphics notes | Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz |

Electrical values

| | |
|---|----------------------------------|
| | 0-Watt mode with hard-off switch |
| Rated voltage range | 200 V - 240 V |
| Rated frequency range | 50 Hz - 60 Hz |
| Operating voltage range | 200 V - 240 V |
| Operating line frequency range | 47 Hz - 63 Hz |
| Max. output of single power supply | 300 W |
| Monitor outlet | No |
| Power consumption | |

Heat dissipation

| | |
|-------------------------------|------------------------------------|
| Heat dissipation notes | See white paper Energy Consumption |
|-------------------------------|------------------------------------|

Noise for standard configuration (HDD, ODD)

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|--|--|
| Noise emission | According to ISO9296 |
| Related Processors for noise | Intel® Core™ i5 2400 |
| Noise Operation mode 1: ODD load (Blue angel requirement) | 5.1 B/ 38 dB(A) |
| Noise Operation mode 2: HDD load (Blue angel requirement) | 4.4 B/ 29 dB(A) |
| Noise Operation mode 3: CPU 90% load (Blue angel requirement) | 4.7 B/ 32 dB(A) |
| Noise Operation mode 4: High load | 4.7 B/ 32 dB(A) |
| Noise Operation mode 5: Office applications 2.0 | 4.4 B/ 29 dB(A) |
| Noise notes | A weighted sound power level L _{wad} (in B) / workplace related A-weighted sound pressure level L _{pAm} (in dB(A)), Bystander position |

Dimensions / Weight / Environmental

| | |
|--------------------------------------|---|
| Dimensions (W x D x H) | 175 x 425 x 353 mm 6.89 x 16.74 x 13.9 inch |
| Operating position | Vertical |
| Weight | 9 kg |
| Weight (lbs) | 20.22 lbs |
| Weight notes | Actual weight may vary depending on configuration |
| Operating ambient temperature | 10 - 35 °C (50 - 95 °F) |

Compliance

| | |
|----------------|---------------|
| Product | ESPRIMO PH300 |
| Model | MI4W-2990 |
| Europe | CE |

Compliance

| | |
|------------------------|--|
| Global | RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates/ |

Additional Software

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|---|--|
| Additional software (preinstalled) | Nero Essentials S (burning software) Fujitsu Recovery (Hard Disk Based Recovery) Norton Internet Security (incl. Firewall) 60 days version Don't forget Office. |
| Additional software (optional) | Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) |

Miscellaneous**Compatibility (references)**

DMI 2.0
PC 2001
WMI 1.5
USB 2.0
SMBIOS

Manageability

| | |
|---------------------------------|--|
| Manageability technology | DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN) |
|---------------------------------|--|

Security

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|-------------------------------|--|
| System protection | Kensington Lock support Eye for padlock |
| Audit proof protection | Boot sector virus protection Control of external interfaces |
| Access protection | User and supervisor BIOS password Optional: Access protection via external SmartCard reader |

Packaging information

| | |
|---|---|
| Packaging dimension (mm) | 540 x 290 x 500 mm |
| Packaging dimension (inch) | 21.26 x 11.42 x 19.69 inch |
| Max. quantity / pallet | 24 |
| Material - Weight (g) Carton | 1270 g |
| Material - Weight (lbs) Carton | 2.8 lbs |
| Material - Weight (g) EPS / PS | 160 g |
| Material - Weight (lbs) EPS / PS | 0.35 lbs |
| Material - Weight (g) PE | 60 g |
| Material - Weight (lbs) PE | 0.13 lbs |
| Packaging notes | printed user documentation is bleached in chlorine free process |

Warranty

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|--|---|
| Standard Warranty | 1 year / 2 years (depending on country) |
| Service level | Collect & Return Service / Bring-in Service (depending on country specific requirements) |
| Warranty Terms & Conditions | http://support.ts.fujitsu.com/warranty |

Maintenance and Support Services - the perfect extension

| | |
|----------------------------|---|
| Recommended Service | 3 years, Collect & Return Service |
| Service Weblink | http://www.fujitsu.com/fts/services/support |

Recommended Accessories

CELVIN® Drive D100



The CELVIN® Drive D100 is a highly reliable external storage device with a standard USB-interface for easy Plug & Play use with a notebook or PC. It is also easy to set up additional home network capacity by connecting it with dedicated routers or NAS devices.

Order Code:
S26341-F103-L118

HS E2000 Communicator Headset



The Fujitsu HS E2000 Communicator headset allows you to use your personal computer for Voice over IP (VoIP) in stereo audio quality. This premium headset is designed to provide superb audio quality and comfort for the telephony, internet chat, speech recognition, video conferencing and multimedia applications.

Order Code:
S26391-F7139-L5

Wireless Keyboard Set LX900



The Wireless Keyboard LX900 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security.

S26381-K564-L4** (**:
Country specific variation)

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu ESPRIMO PH300, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu ESPRIMO PH300, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/ESPRIMO

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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